

Datasheet

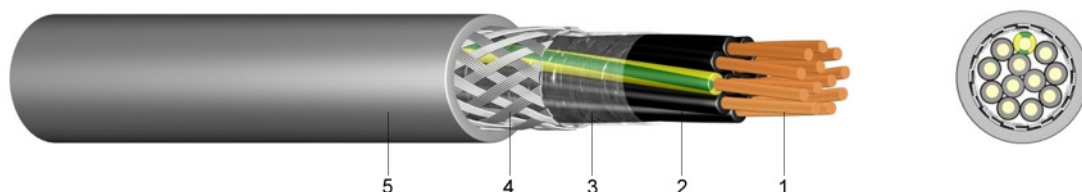
Version 1/2009

HSLCH FRNC

Halogen-Free Control Cable with EMV-Optimised Braided Screen and Improved Fire Behaviour - FRNC

Application:

For installations in dry, humid and wet locations but not outdoors. These cables are used for fix or for flexible applications - but not with high tensile load and for forced bending. Suitable as a signal and impulse cable in the control, measuring and signal technology. The copper braiding optimises protection against external interferences, like electromagnetic fields and stray frequencies.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of halogen-free, cross-linked polyolefin copolymer
- 3 wrapped in a plastic foil
- 4 screen of tinned copper wire braiding
- 5 outer sheath of halogen-free, cross-linked polyolefin copolymer, grey

According to:

adapted to DIN EN 50266-2-4
 adapted to DIN EN 50267-2-2
 DIN EN 60228 class 5 (construction)
 core identification JZ: 1 core green/yellow, other cores black with figures
 core identification OZ: every core black with figures

Technical data:

Nominal voltage U_0/U		[V]	300 / 500 Volt
Test voltage		[V] _{AC}	2000
Temperature range	in motion		-5 °C till +70 °C
Operating temperature	short circuit	°C	150
Short circuit time	max.	[sec]	5
Bending radius	in motion	x diameter	15
Flammability	standard		EN 50266-2-4 EN 60332-1 IEC 60332-3 Kat.C

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 0,75	41	24 x 0,21	6,2	55
4 x 0,75	61	24 x 0,21	7,0	87
5 x 0,75	72	24 x 0,21	7,7	106
7 x 0,75	89	24 x 0,21	8,3	129
12 x 0,75	138	24 x 0,21	10,9	211
2 x 1	51	32 x 0,21	6,5	79
3 x 1	62	32 x 0,21	6,8	88
4 x 1	74	32 x 0,21	7,4	106
5 x 1	88	32 x 0,21	8,1	124
7 x 1	112	32 x 0,21	8,8	155

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
12 x 1	185	32 x 0,21	12,3	232
18 x 1	268	32 x 0,21	14,7	332
2 x 1,5	65	30 x 0,26	7,1	91
3 x 1,5	82	30 x 0,26	7,5	112
4 x 1,5	100	30 x 0,26	8,5	141
5 x 1,5	119	30 x 0,26	8,9	161
7 x 1,5	154	30 x 0,26	9,9	206
12 x 1,5	268	30 x 0,26	14,7	323
18 x 1,5	373	30 x 0,26	15,5	517
25 x 1,5	530	30 x 0,26	18,1	705
3 x 2,5	118	50 x 0,26	9,0	157
4 x 2,5	147	50 x 0,26	9,9	201
5 x 2,5	176	50 x 0,26	11,0	248
7 x 2,5	253	50 x 0,26	13,9	306